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TXR-807

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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DATE: March 23, 1981

SUBJECT: EPA Registration Number: 1022-504  
PQ56-R.T.U.: Caswell #

FROM: Deloris F. Graham *LJF 3/27/81*  
FHB/TSS *E 3/30/81*

TO: Henry Jacoby  
Product Manager (21)

Applicant: Chapman Chemical Company  
P.O. Box 9158  
Memphis, TN 38109

Active Ingredient: Copper-8-quinolinalate . . . . . 0.8%  
Inert Ingredient . . . . . 99.2%

Background: Submitted Eye Irritation Study conducted by Cannon Laboratories, Inc. Data under accession number 243974.

Recommendation:

- (1) As indicated by the Eye Irritation Study, the appropriate signal word is DANGER.

Review:

- (1) Eye Irritation Study: Cannon Laboratories, Inc.; Lab. #9E-6991; December 17, 1979.

Procedure: Nine New Zealand white rabbits received a 0.1 ml dose in one eye each. Animals divided into two groups. Group I consisted of 6 rabbits with treated unwashed eyes and Group II consisted of 3 rabbits with treated washed eyes. Observations were made at 24, 48 and 72 hours and 4, 7, 10, and 13 days.

Results: At 24 hours, 6/6 animals in Group I and 3/3 in Group II had corneal opacity (6/6=20) (3/3=20); Iris irritation in 6/6 of Group I (6/6=5) and 3/3 of Group II (3/3=5); and 6/6 of Group I and 3/3 Group II had conjunctive redness (6/6=3) (3/3=3); chemosis (1/6=2, 5/6=3) (2/3=2, 1/3=3) and discharge (4/6=2, 2/6=3) (2/3=2, 1/3=3). Corneal opacity persisted in 4/6 animals through day 13 and 2/3 through day 4. Conjunctive irritation persisted in 2/6 through day 10. Pannus observed in 5/6 in Group I.

Study Classification: Core Guideline Data

Toxicity Category: I-DANGER

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